

ABSTRACT OF THE DISCLOSURE

A node includes several devices including a memory, an active device, and an interface configured to send and receive coherency messages on an inter-node network coupling the node to another node, as well as an address network and a data network. In response to receiving a coherency message requesting an access right to a coherency unit, the interface is configured to send a first type of address packet on the address network if the global access state of the coherency unit within the node is the modified state and a second type of address packet otherwise. The memory is configured to respond to receipt of the second type of address packet by sending a data packet on the data network, regardless of whether the memory currently has an ownership responsibility for the coherency unit.